

Patent Abstracts of Japan

PUBLICATION NUMBER : 2002195266
PUBLICATION DATE : 10-07-02

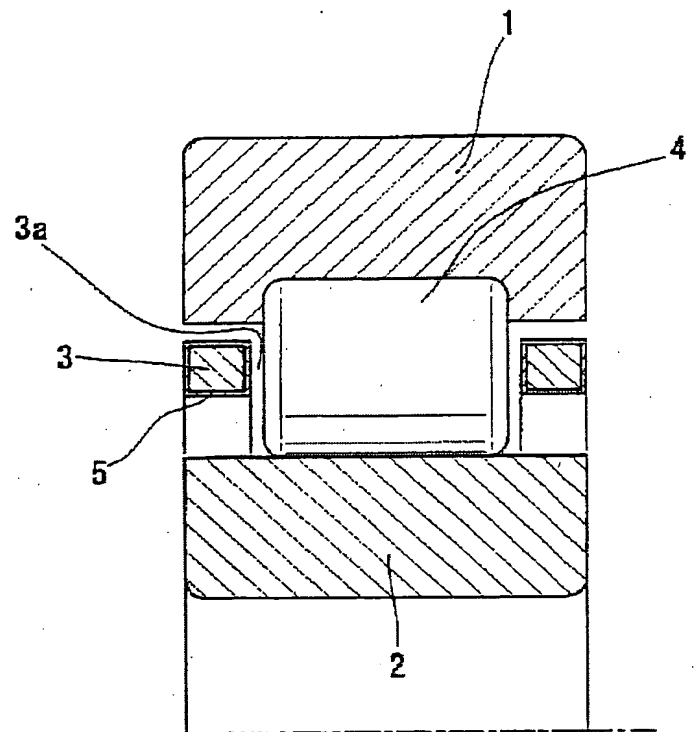
APPLICATION DATE : 27-12-00
APPLICATION NUMBER : 2000398189

APPLICANT : NTN CORP;

INVENTOR : NOZAKI MASAYUKI;

INT.CL. : F16C 33/34 F16C 33/38

TITLE : ROLLER BEARING



ABSTRACT : PROBLEM TO BE SOLVED: To provide a roller bearing capable of improving a wear resistant property of a silver plating layer formed on a retainer by controlling surface roughness of a roller and also having a superior seizure resistant property when lubricant is not supplied by accident.

SOLUTION: The roller bearing is comprised of an outer ring 1, an inner ring 2, a retainer, and a roller 4. In the roller bearing applied silver plating in the retainer, the roller is formed so that surface roughness of a sliding face, that is, surface roughness of the roller 4 that affects abrasive wear in connection with sliding wear between the retainer 3 and roller 4 is less than and equal to $0.075 \mu\text{mRa}$. Thus, progress of wear of the silver plating layer 5 is remarkably controlled, and wear resistant property is practically improved. Even though lubricating oil is hardly supplied to the bearing caused by trouble in a lubricating system, seizure between the retainer and roller is not generated and any obstacle affecting operation can be prevented.

COPYRIGHT: (C)2002,JPO